

In re application of WILLIAMS ET AL.  
Serial No. 09/849,170

**Listing of the Claims:**

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1. (Previously presented): A computer system, comprising,  
a writing instrument that generates movement information including acceleration  
information from a user's handwriting; and  
a conversion component that utilizes the acceleration information to  
generate line thickness information.

2. (Original): The computer system of claim 1, wherein the writing  
instrument is a pen.

3. (Previously presented): The computer system of claim 1, wherein  
the writing instrument comprises an accelerometer configured to generate the  
acceleration information.

4. (Previously presented): The computer system of claim 3, wherein  
the accelerometer generates analog movement information, and wherein the  
writing instrument comprises an analog-to-digital converter for converting the  
analog movement information to digital data.

5. (Original): The computer system of claim 4, wherein the conversion  
component is located remote from the writing instrument, and further comprising  
transmitting the digital data to the conversion component.

In re application of WILLIAMS ET AL.  
Serial No. 09/849,170

6. (Original): The computer system of claim 5, wherein the digital data is transmitted via a wireless connection.

7. (Original): The computer system of claim 5, wherein the digital data is transmitted via a hardwired connection.

8. (Original): The computer system of claim 3, wherein the accelerometer is configured to generate tilt information.

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9. (Previously presented): A computer system, comprising,  
a writing instrument that generates movement information including acceleration information from a user's handwriting; and

a conversion component that utilizes the acceleration information to generate line thickness information based upon spacing of plots in a map of a plot of the movement information.

10. (Original): The computer system of claim 9, wherein the thickness information is based upon the samples/unit distance of the plots.

11. (Original): The computer system of claim 10, wherein the thickness information increases a thickness component as the samples/unit distance increase.

In re application of WILLIAMS ET AL.  
Serial No. 09/849,170

12. (Previously presented): The computer system of claim 3, wherein the conversion component generates thickness information based upon wavelengths of the movement information.

13. (Original): The computer system of claim 12, wherein the thickness information increases a thickness component as the wavelengths increase.

14. (Original): The computer system of claim 1, wherein the conversion component is located remote from the writing instrument, and further comprising transmitting the digital data to the conversion component.

15. (Original): The computer system of claim 14, wherein the digital data is transmitted via a wireless connection.

16. (Original): The computer system of claim 14, wherein the digital data is transmitted via a hardwired connection.

17. (Previously presented): The computer system of claim 3, wherein the movement information comprises tilt information.

18. (Previously presented): A computer system, comprising,

In re application of WILLIAMS ET AL.  
Serial No. 09/849,170

a writing instrument that generates movement information including acceleration and tilt information from a user's handwriting; and

a conversion component that utilizes the acceleration information to generate line thickness information based upon spacing of plots in a map of a plot of the tilt information.

19. (Original): The computer system of claim 18, wherein the thickness information is based upon the samples/unit distance of the plots.

20. (Original): The computer system of claim 19, wherein the thickness information increases a thickness component as the samples/unit distance increase.

21. (Previously presented): The computer system of claim 1, wherein the movement information comprises pulses having wavelengths.

22. (Original): The computer system of claim 21, wherein the thickness information increases a thickness component as the wavelengths increase.